

FIG. 1

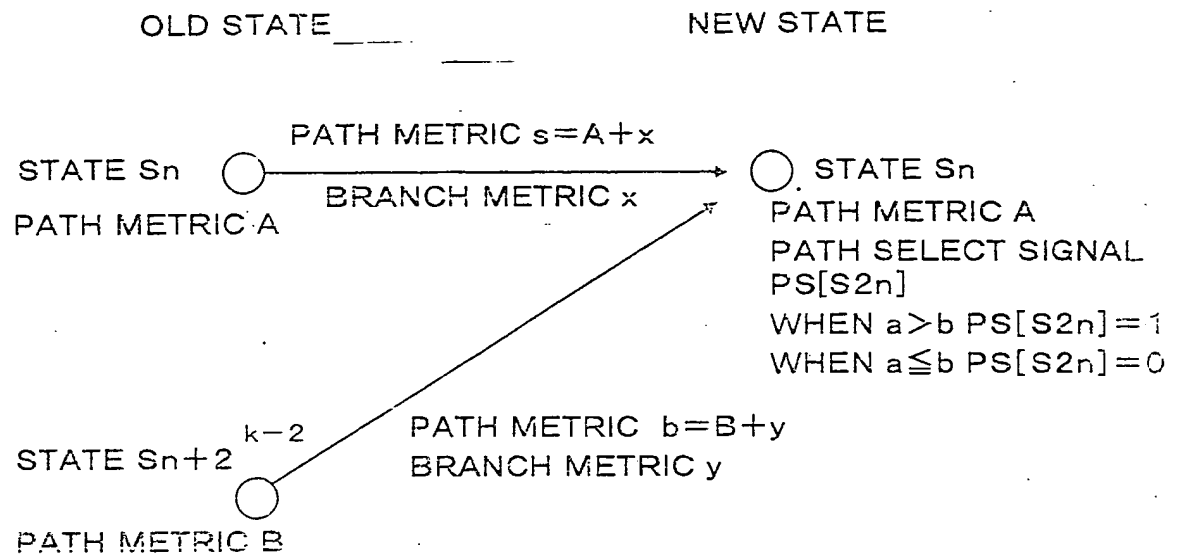


FIG. 2

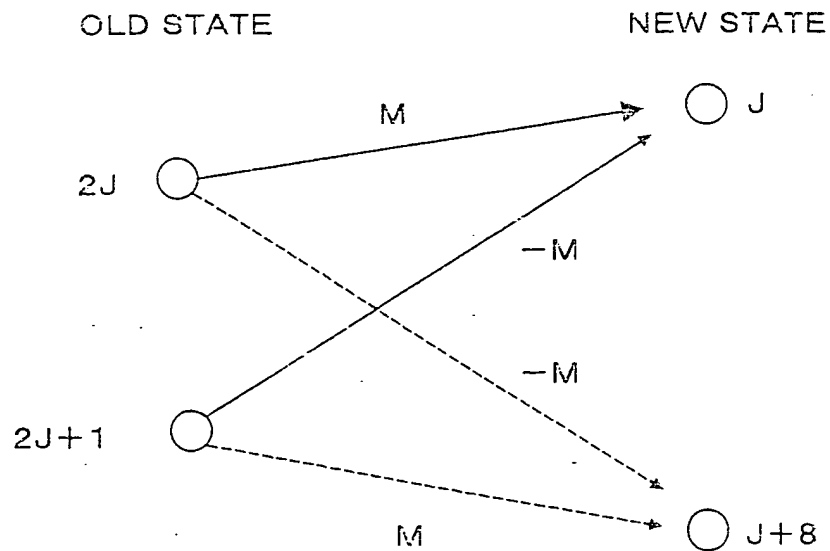


FIG. 3

J	B(J, 0)	$\overline{B(J, 1)}$
0	1	1
1	-1	-1
2	1	1
3	-1	1
4	1	-1
5	-1	1
6	1	-1
7	-1	1

FIG. 4

```

VITRFE MACRO
"
    DADST *AR5, A
    DSADT *AR5+, B
    CMPS A, *AR4+
    CMPS B, *AR3+
    .ENDM

```

```

: A=OLD_M(2J)+T//OLD_(2J+1)-
: B=OLD_M(2J)-T//OLD_(2J+1)+
: NEW_M(J)=MAX(A_HIGH, A_LOW
: TRN<<1, TRN(0, 0)=TC
: NEW_M(J+8)=MAX(B_HIGH, B_LOW
: TRN<<1, TRN(0, 0)=TC

```

```

VITRFE MACRO
"
    DSADT *AR5, A
    DADST *AR5+, B
    CMPS A, *AR4+
    CMPS B, *AR3+
    .ENDM

```

```

: A=OLD_M(2J)-T//OLD_(2J+1)+
: B=OLD_M(2J)+T//OLD_(2J+1)-
: NEW_M(J)=MAX(A_HIGH, A_LOW
: TRN<<1, TRN(0, 0)=TC
: NEW_M(J+8)=MAX(B_HIGH, B_LOW
: TRN<<1, TRN(0, 0)=TC

```

FIG. 5

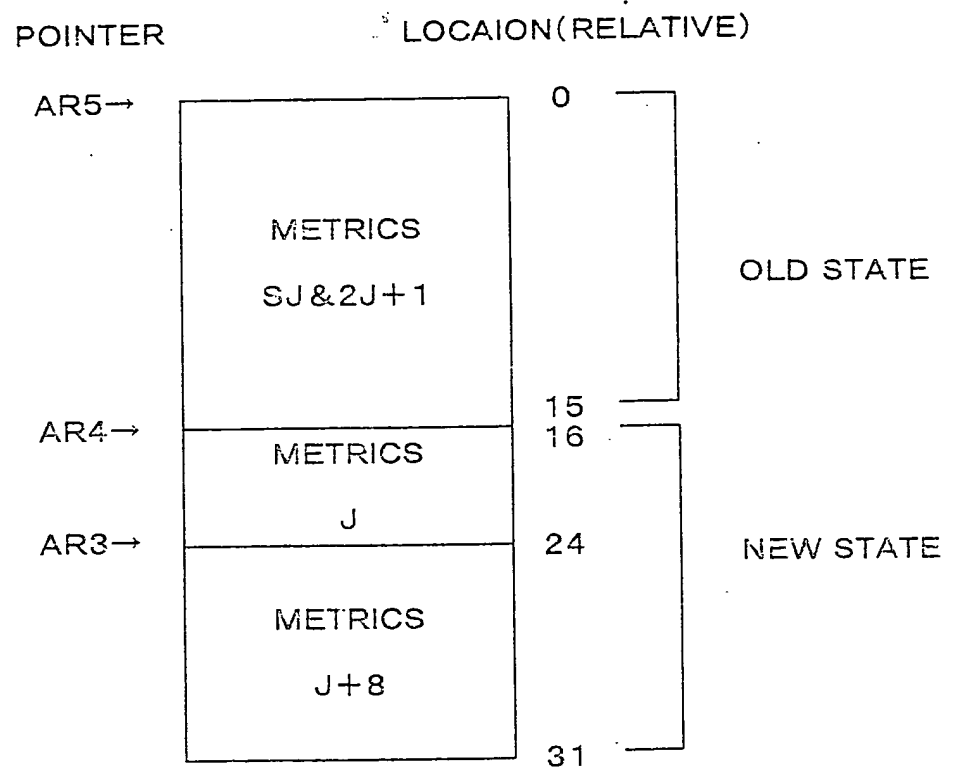


FIG. 6

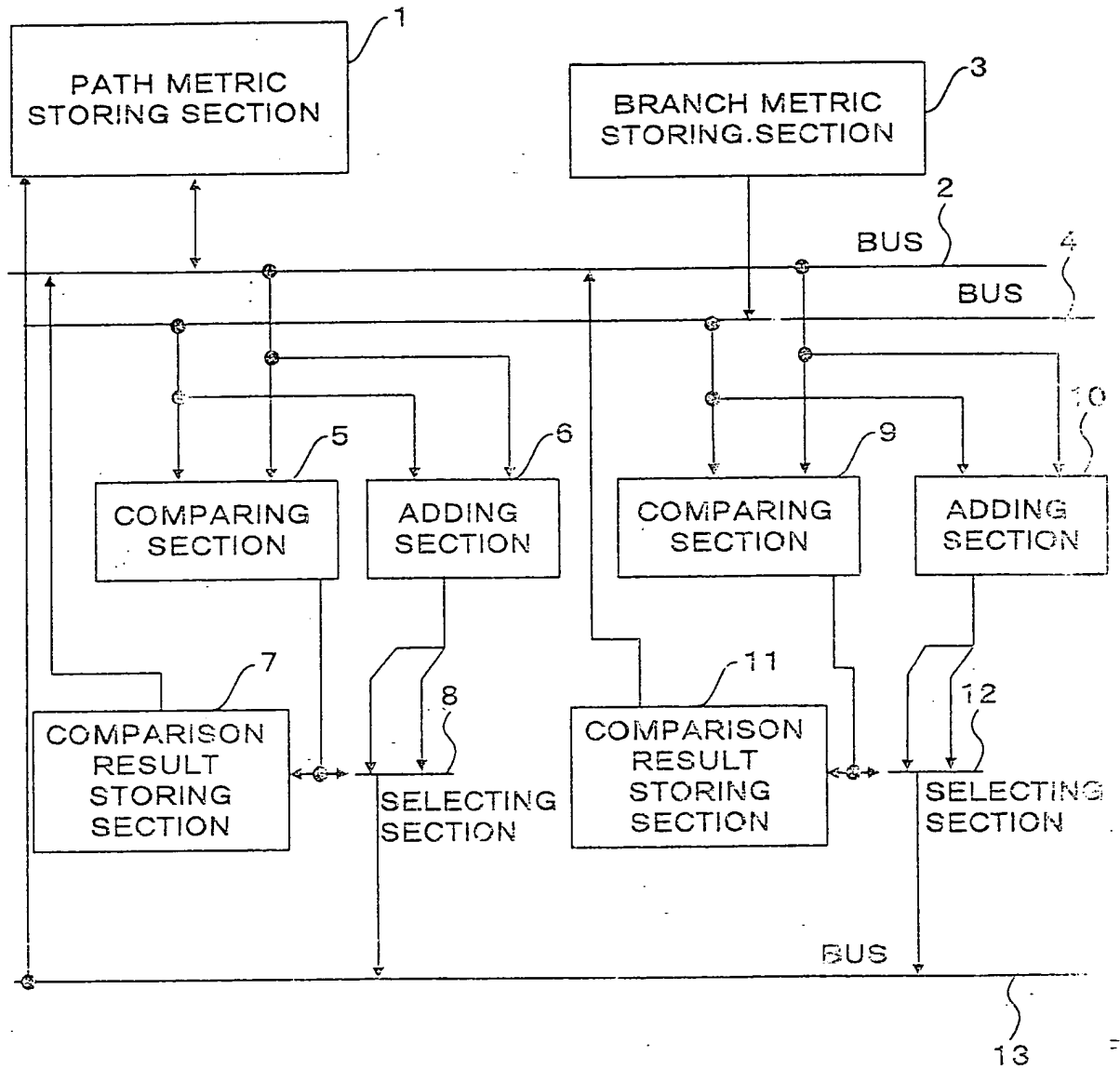
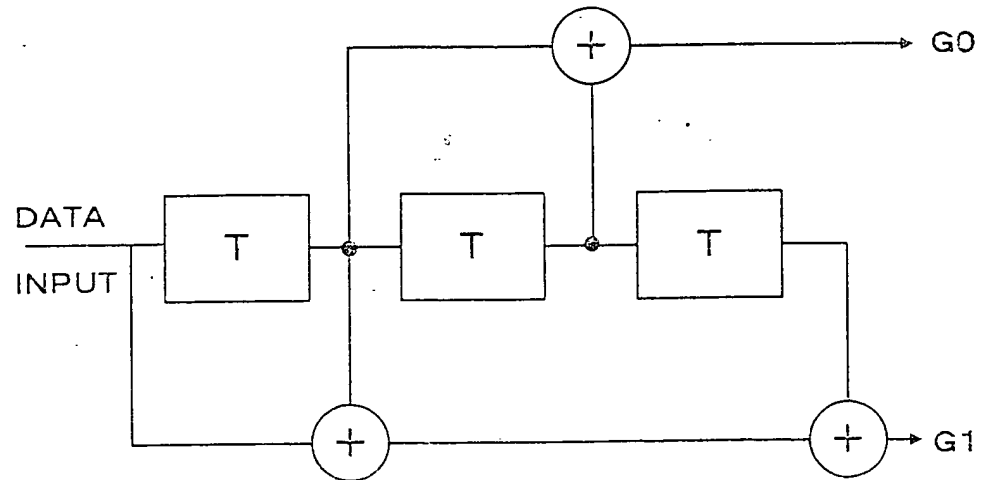


FIG. 7



T: DELAY

G0G1

BM0 : BRANCH METRIC WITH 0 0

BM1 : BRANCH METRIC WITH 0 1

BM2 : BRANCH METRIC WITH 1 0

BM3 : BRANCH METRIC WITH 1 1

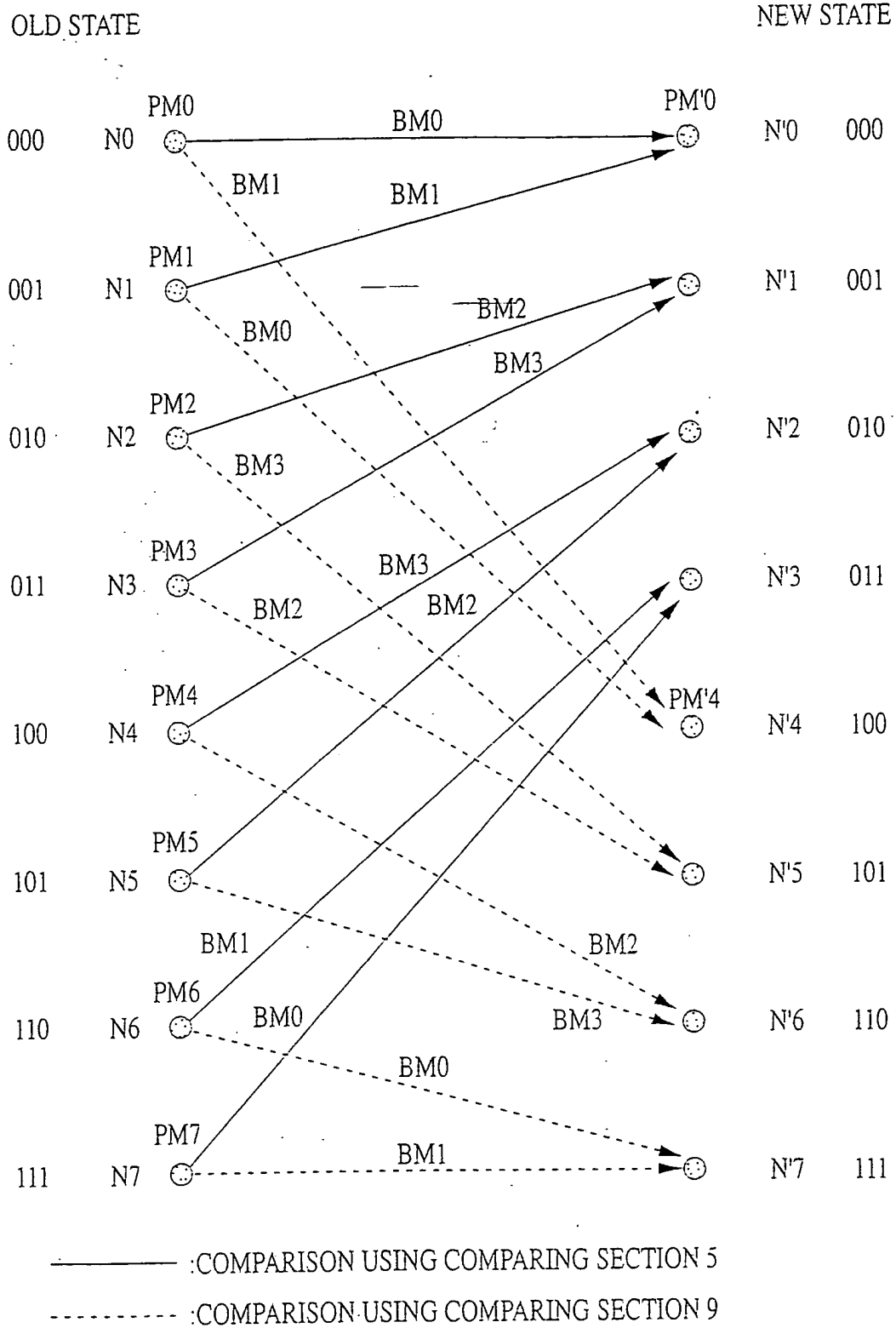


FIG. 8

FIG. 9

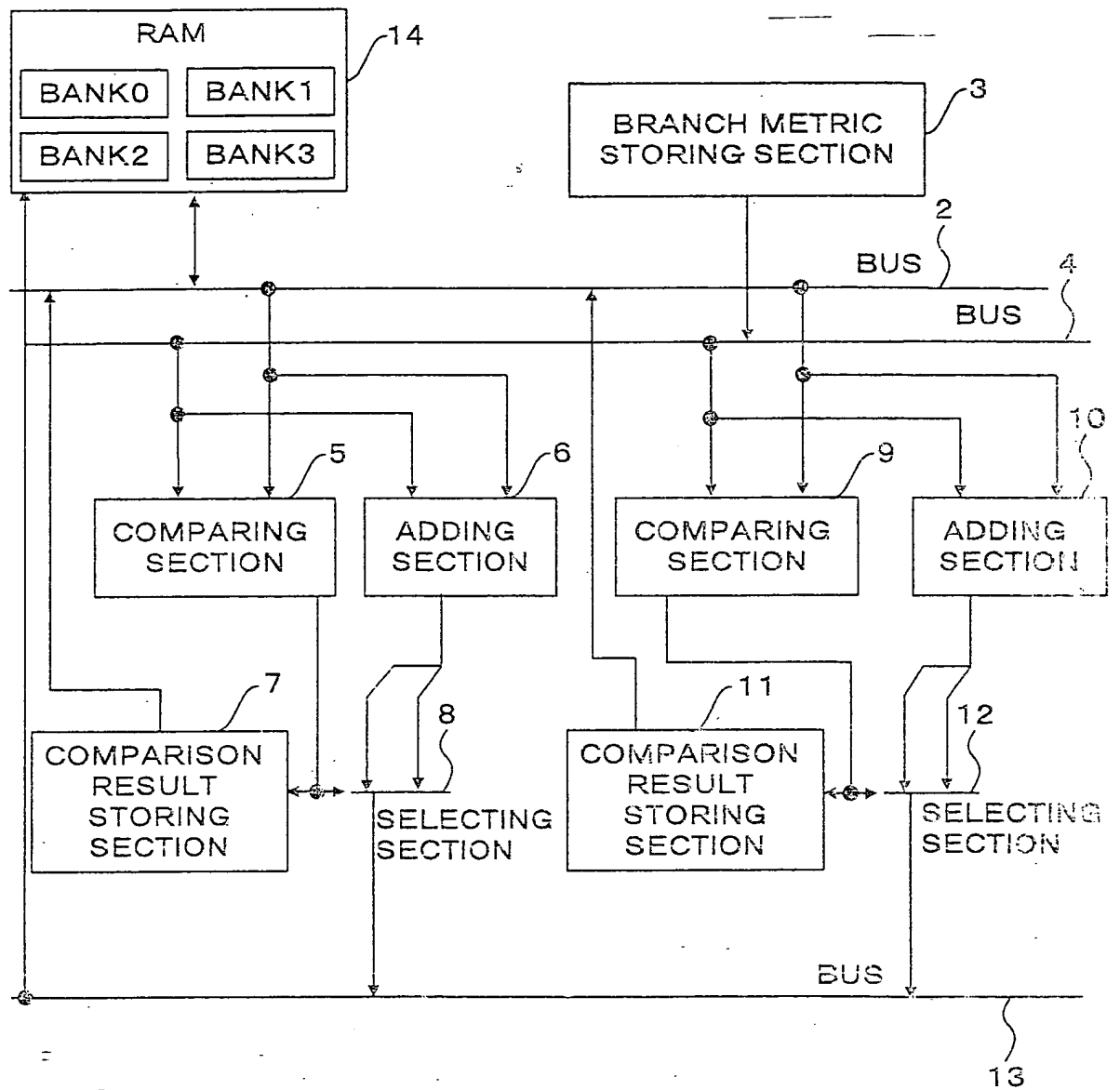


FIG. 10

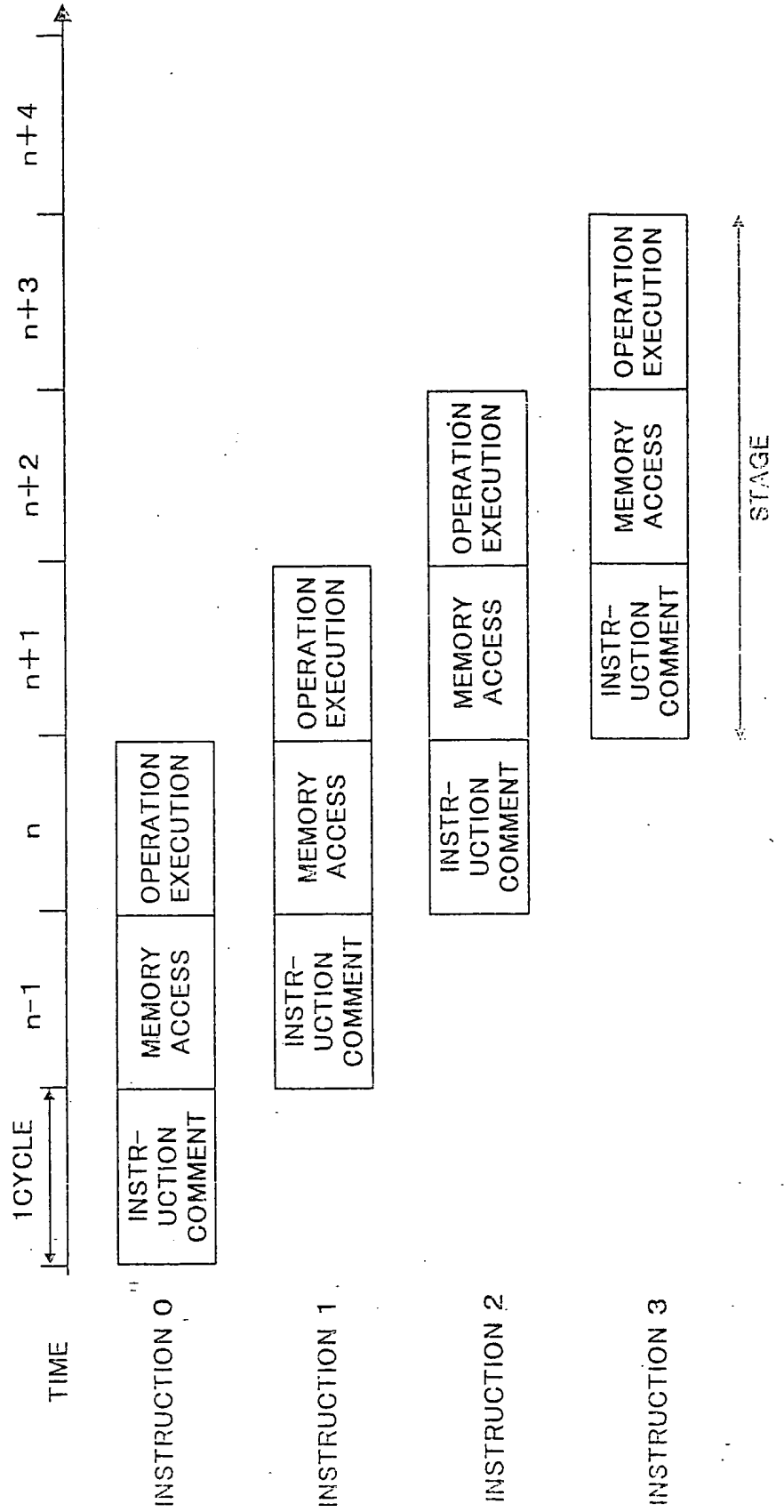


FIG. 11

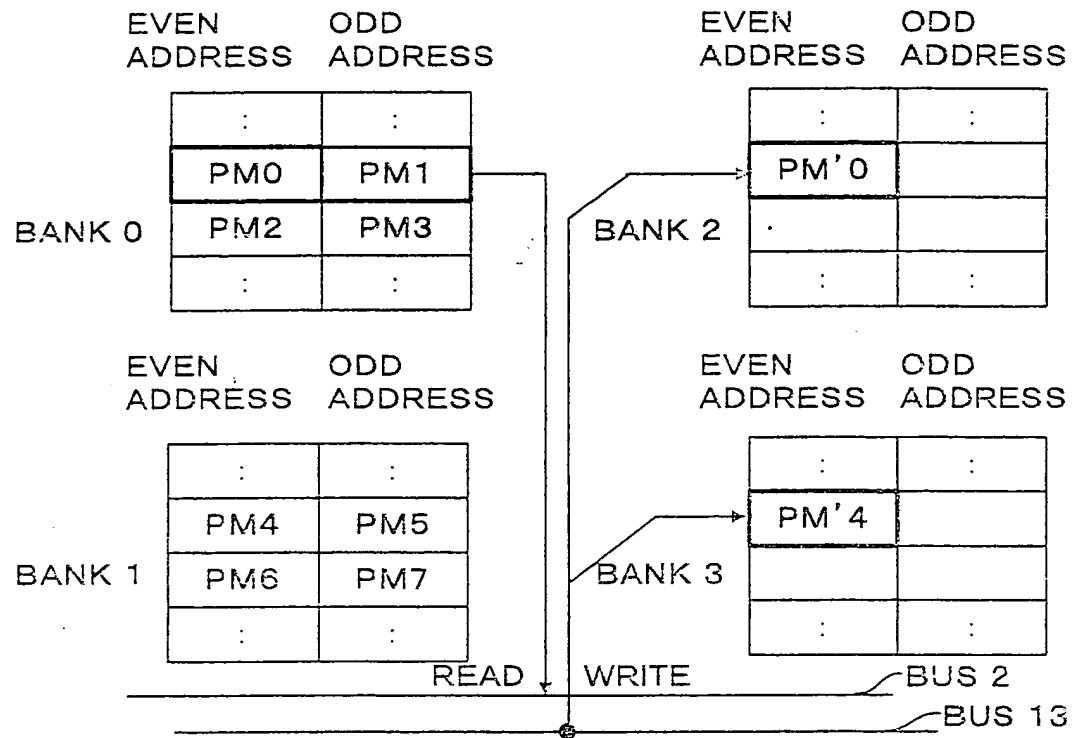


FIG. 12

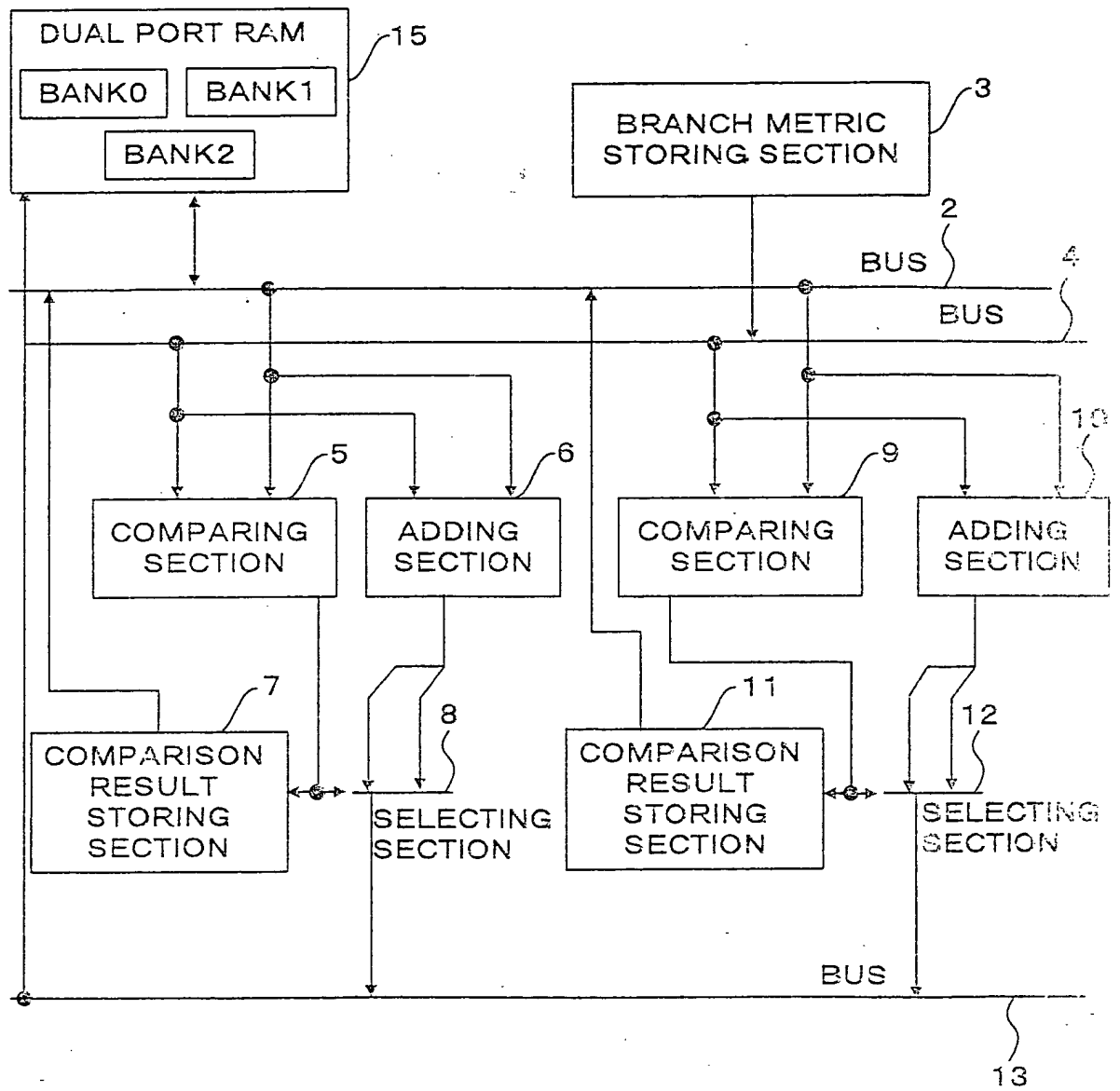


FIG. 13

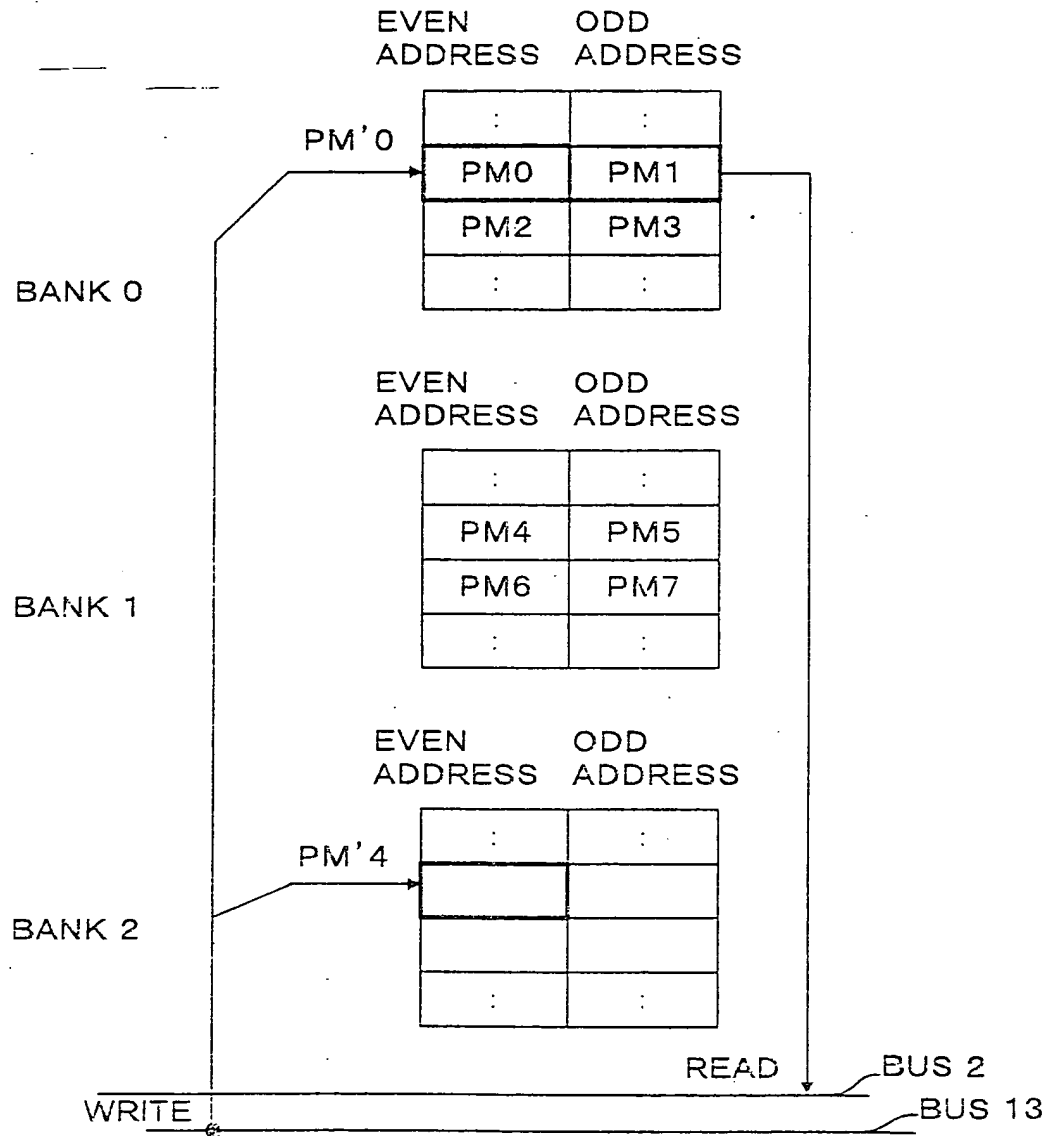


FIG. 14

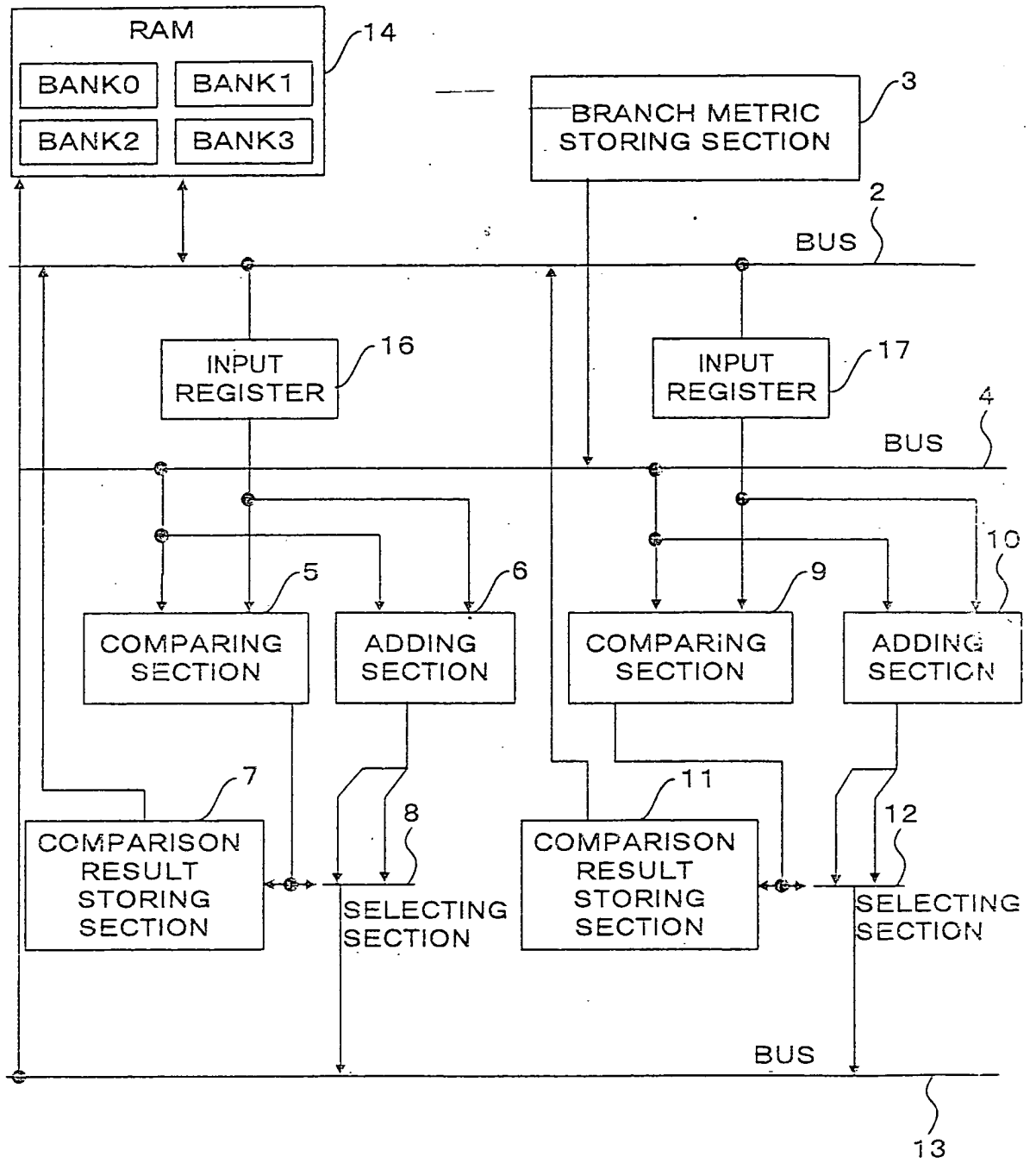


FIG. 15

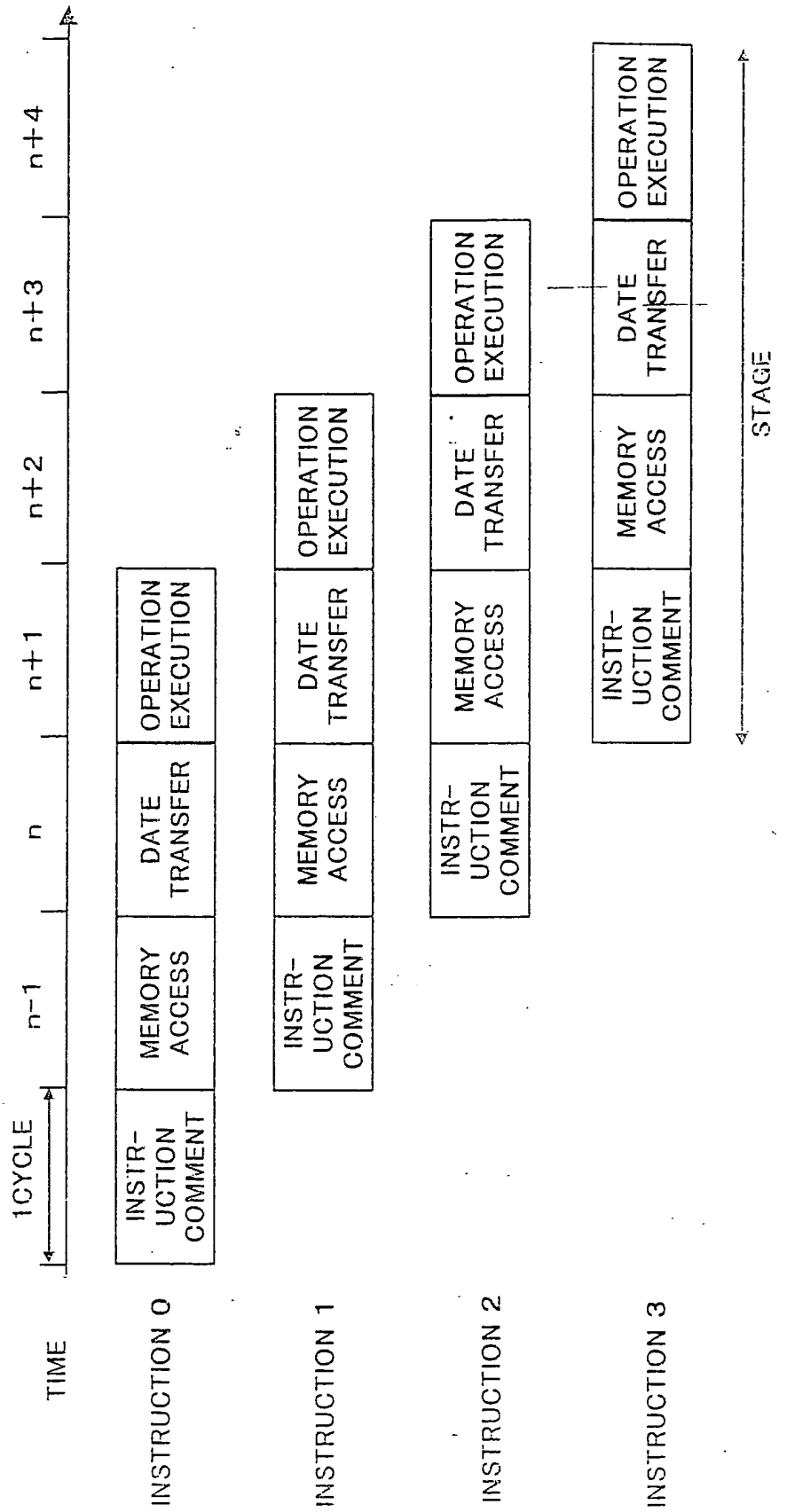


FIG. 16

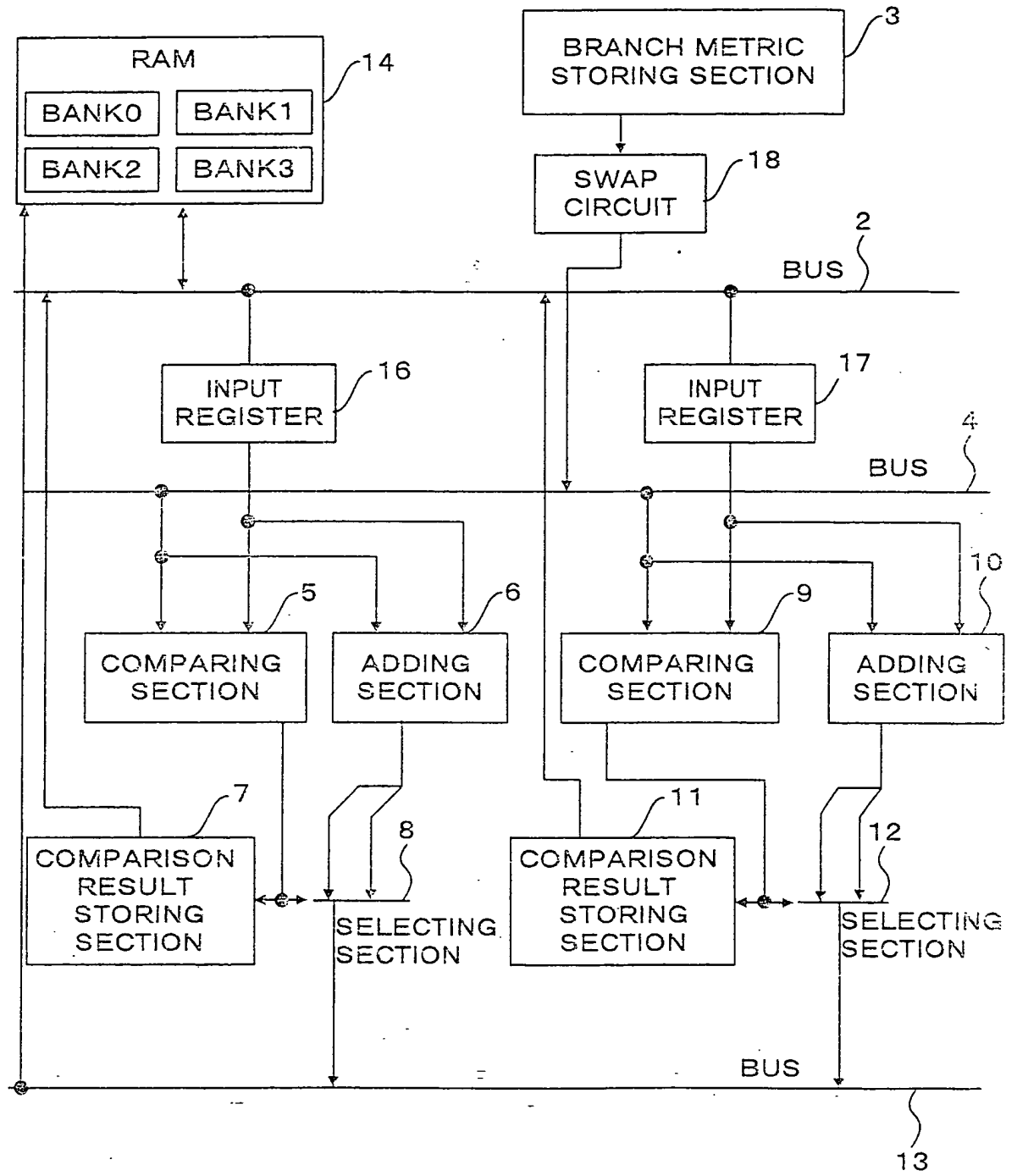
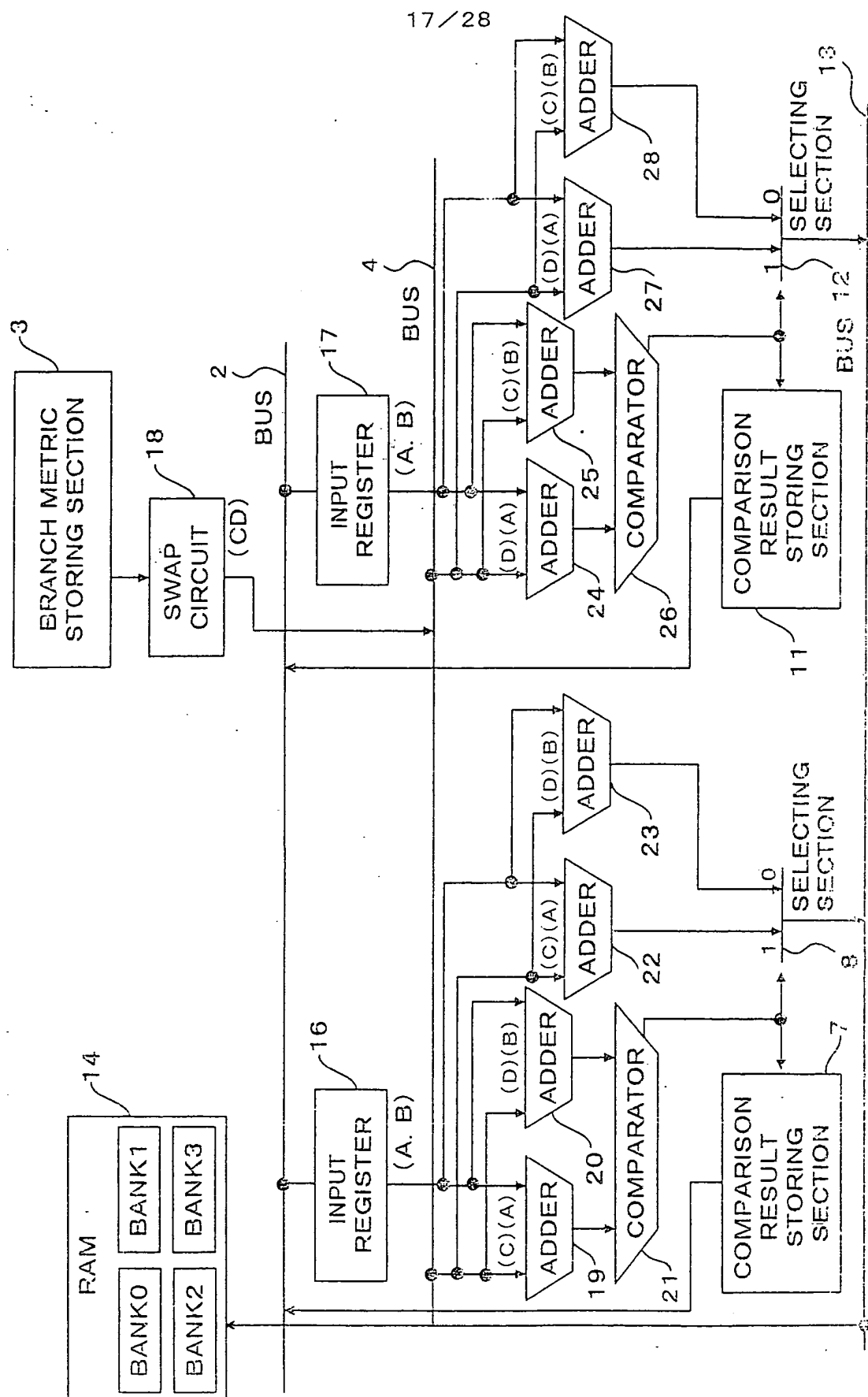


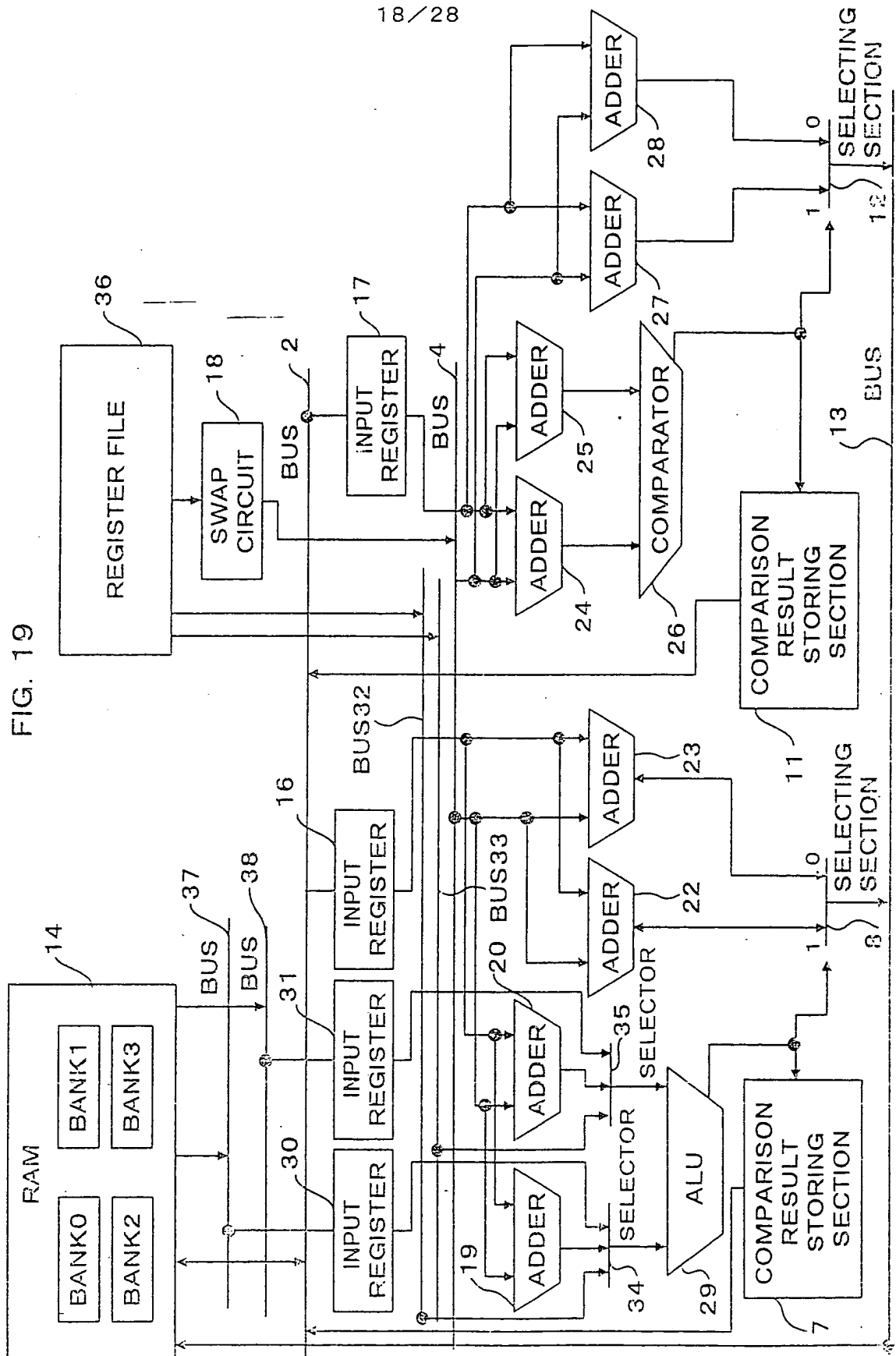
FIG. 17

	COMPARING MEANS 5	COMPARING MEANS 9
NODE N0, NODE N1→NODE N'0	PM1+BM1-PM0-BM0	-
NODE N0, NODE N1→NODE N'4	-	PM1+BM0-PM0-BM1
NODE N6, NODE N7→NODE N'3	PM7+BM0-PM6-BM1	-
NODE N6, NODE N7→NODE N'7	-	PM7+BM1-PM6-BM0

	COMPARING MEANS 6	COMPARING MEANS 10
NODE N0, NODE N1→NODE N'0	PM1+BM1, PM0+BM0	-
NODE N0, NODE N1→NODE N'4	-	PM1+BM0, PM0+BM1
NODE N'6, NODE N7→NODE N'3	PM7+BM0, PM6+BM1	-
NODE N6, NODE N7→NODE N'7	-	PM7+BM1, PM6+BM0

FIG. 18





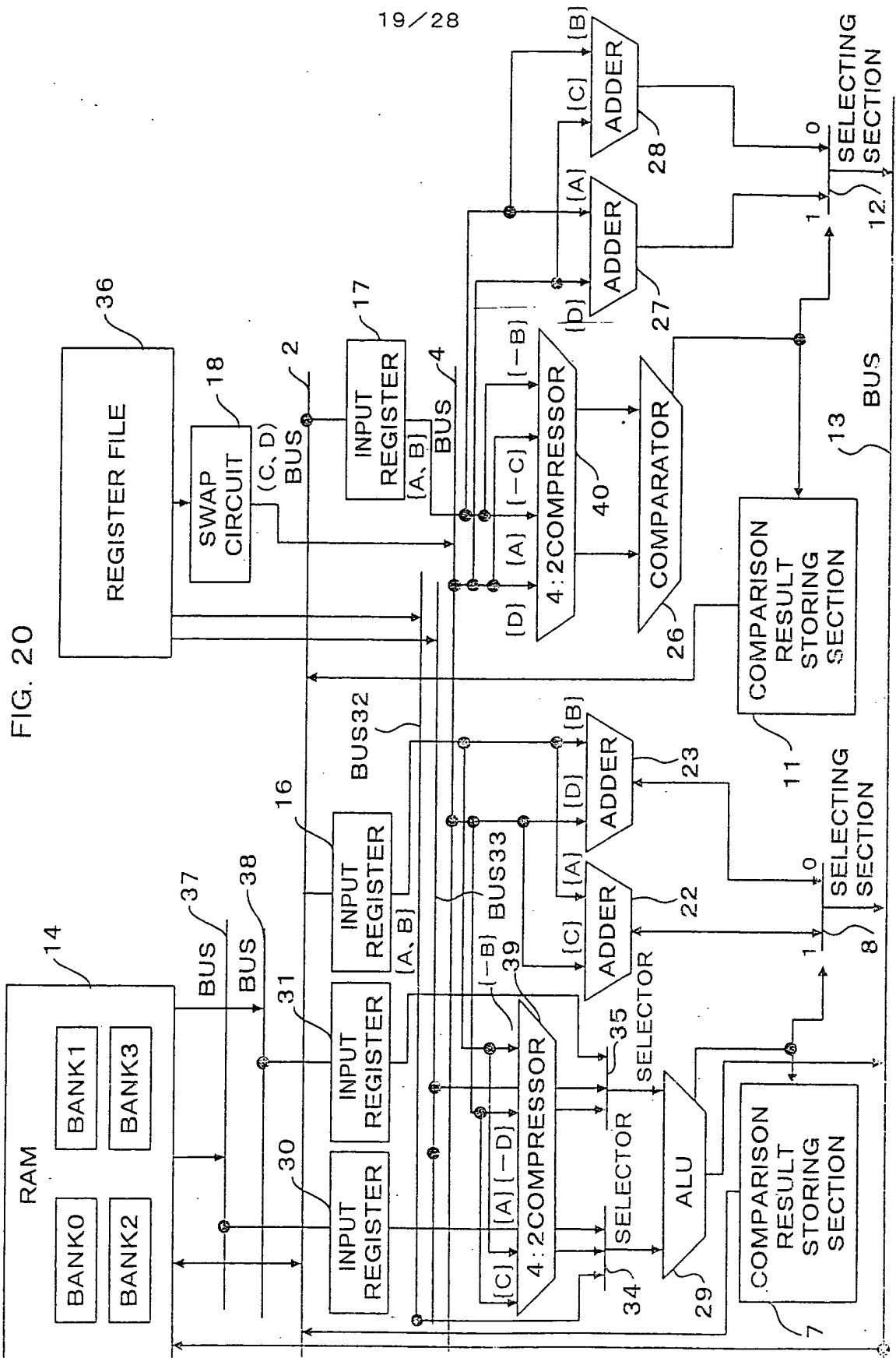


FIG. 21

INPUT					OUTPUT		
in0	in1	in2	in3	0in	out0	out1	0out
0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0
0	0	1	0	0	1	0	0
0	0	1	1	0	0	1	0
0	1	0	0	0	1	0	0
0	1	0	1	0	0	1	0
0	1	1	0	0	0	1	0
0	1	1	1	0	1	1	0
1	0	0	0	0	1	0	0
1	0	0	1	0	0	1	0
1	0	1	0	0	0	1	0
1	0	1	1	0	1	1	0
1	1	0	0	0	0	1	0
1	1	0	1	0	1	1	0
1	1	1	0	0	1	1	0
1	1	1	1	0	1	1	0
1	1	1	1	0	0	1	1
0	0	0	0	1	1	0	0
0	0	0	1	1	0	1	0
0	0	1	0	1	0	1	0
0	0	1	1	1	1	1	0
0	1	0	0	1	0	1	0
0	1	0	1	1	1	1	0
0	1	1	0	1	1	1	0
0	1	1	1	1	0	1	1
1	0	0	0	1	0	1	0
1	0	0	1	1	1	1	0
1	0	1	0	1	1	1	0
1	0	1	1	1	0	1	1
1	1	0	0	1	1	1	0
1	1	0	1	1	0	1	1
1	1	1	0	1	0	1	1
1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	1

FIG. 22

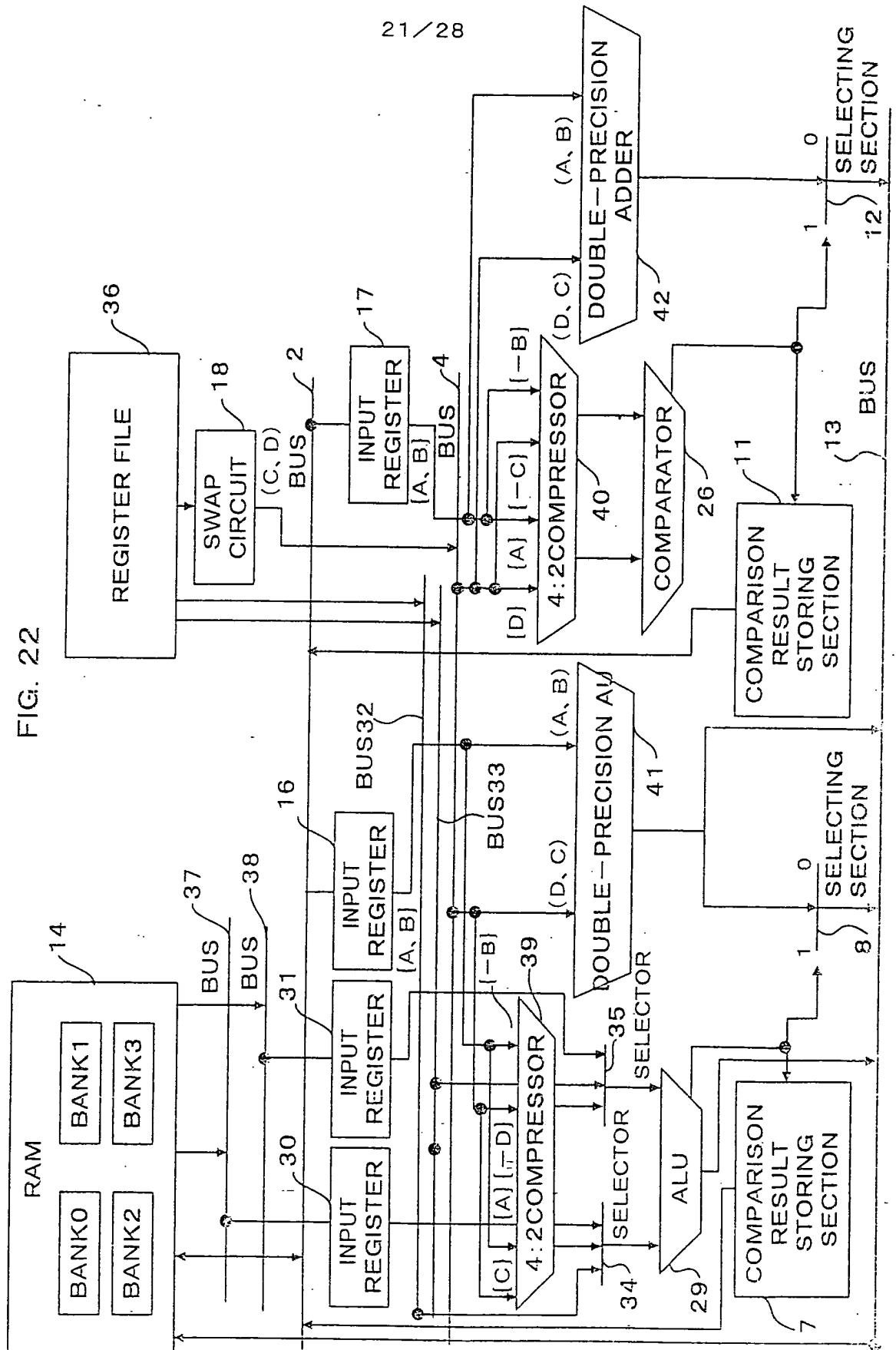


FIG. 23

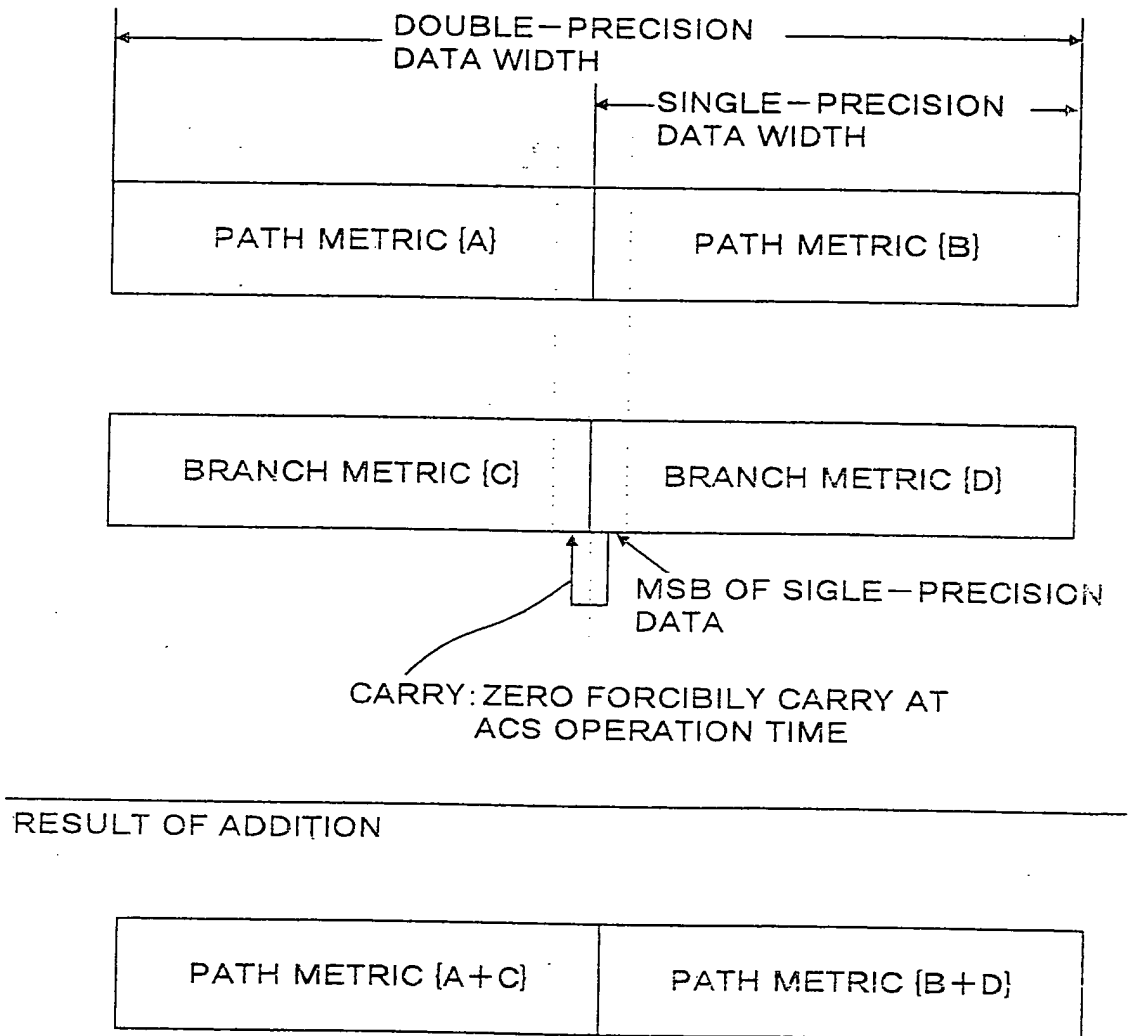


FIG.26

MOBILE STATION APPARATUS 45

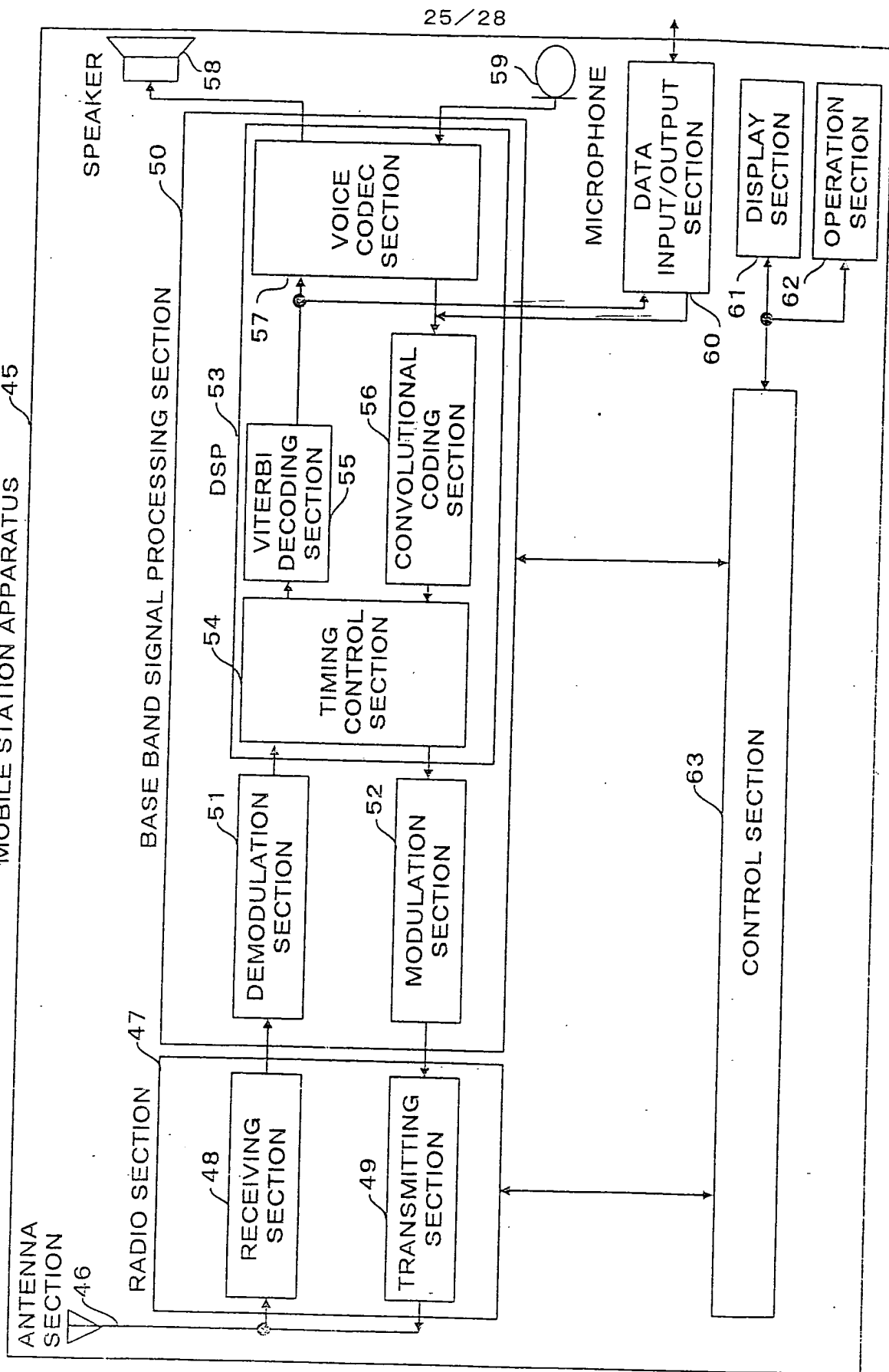


FIG.27

MOBILE STATION APPARATUS 45A

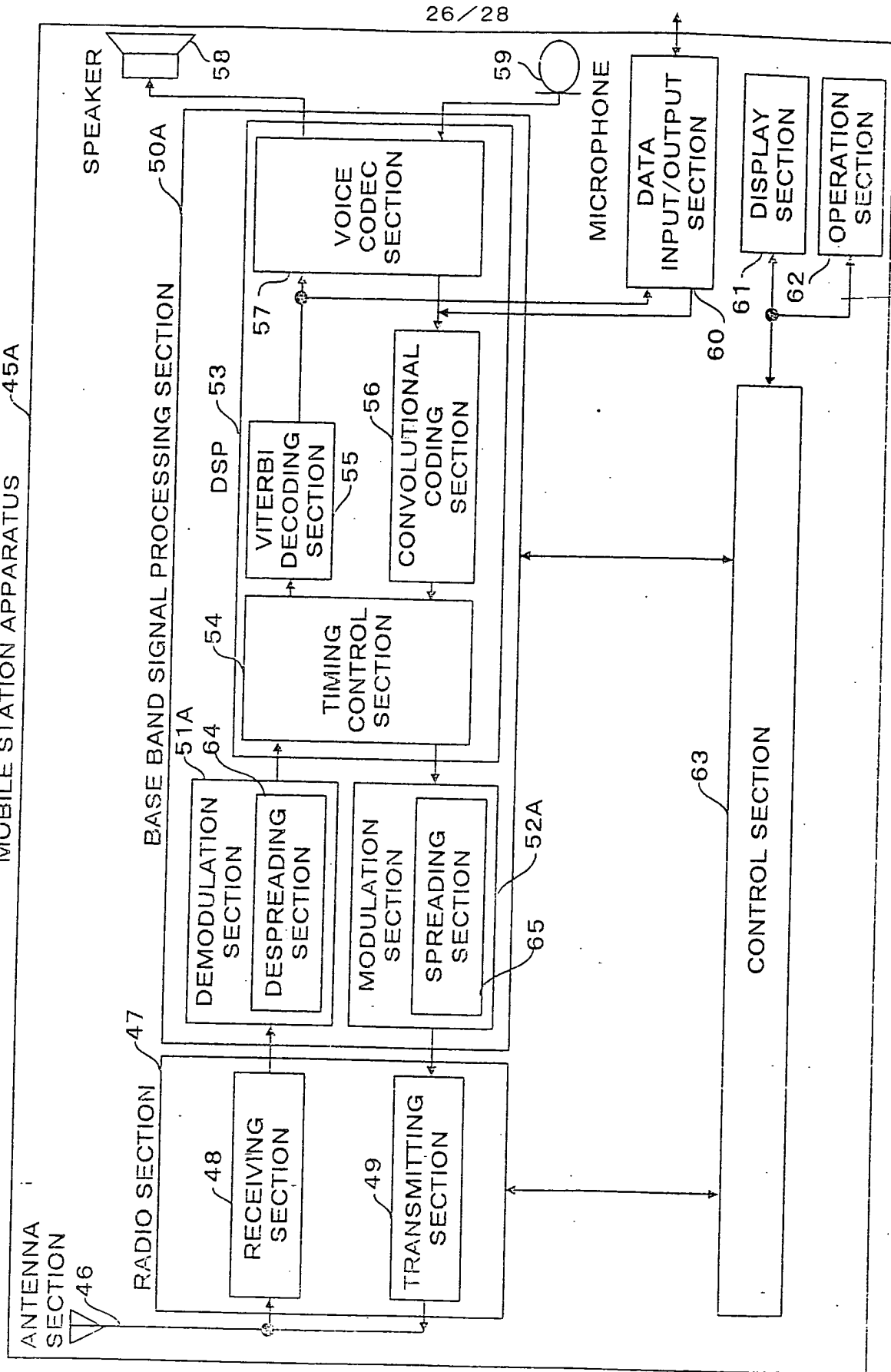


FIG.28

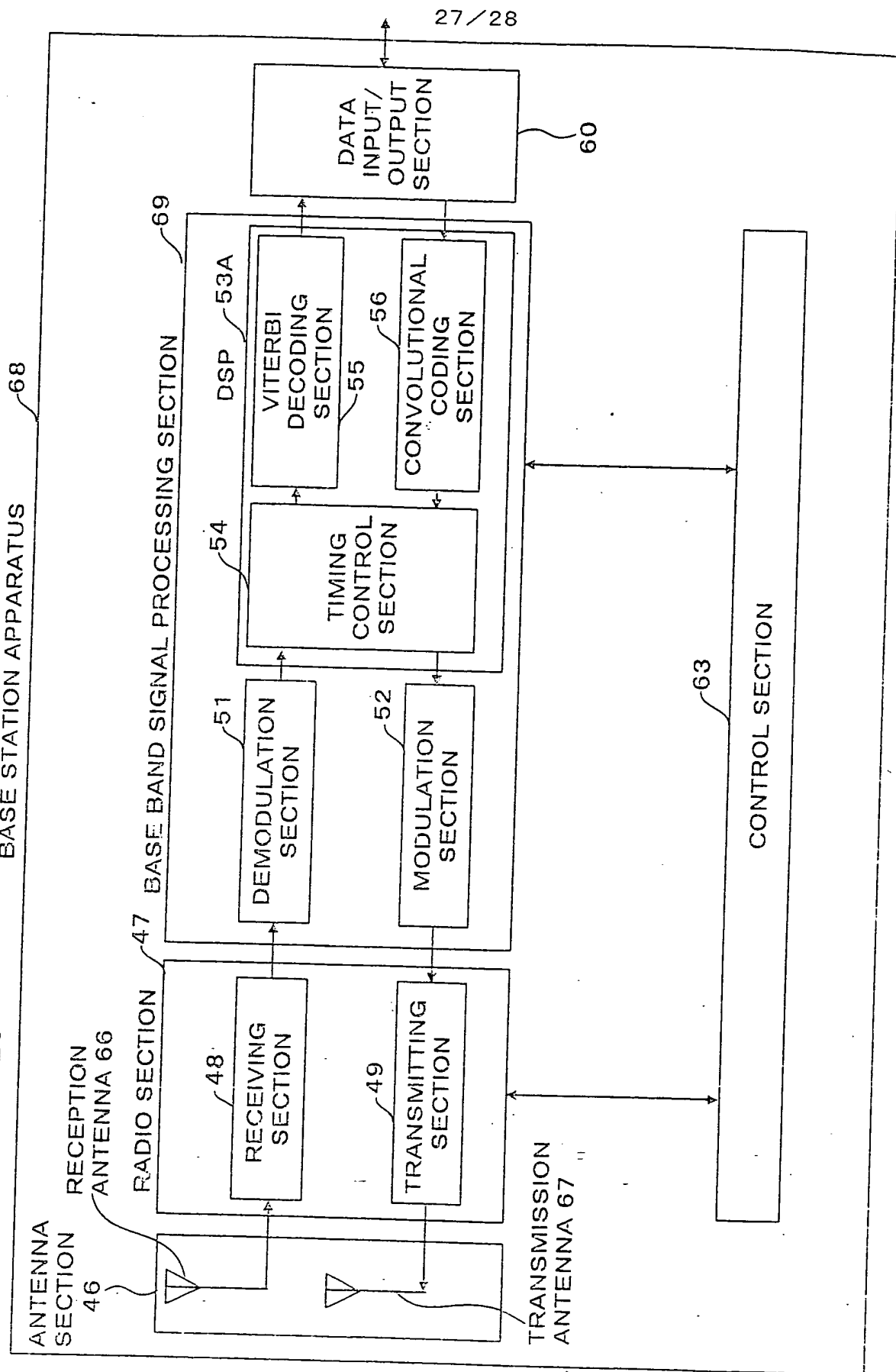


FIG.29

